



## Monthly Progress Report

September

### Soil Remediation Phase

**Start Date:** 8/31/04

**End Date:** Pending

#### Tasks Performed:

Introductory safety and production meeting conducted by Kyle Okey at the Champion Industrial Services office. Champion, PacifiCorp, CDM, Volpe, and R&R in attendance.

Site setup started on 8/31/04, with Eldon Romney of R&R conducting site safety orientation. Gates installed in fence, and fences draped as well.

Decon facility construction started on 9/1/04 and concluded on 9/6/04. Dave Roskelley from R&R came to site to instruct Champion crew on proper construction of decon facility.

Site perimeter monitoring initiated and excavation started in CZ east of Artistic Printing on the side 100 South on 9/7/04.

PacifiCorp electrical safety (Ken Duncan) to stay inside CZ during excavation near electrical equipment. Crew instructed to comply with any instructions Ken gives regarding safe operations.

Test "pot-holes" dug in south-east and east sections of work area to determine presence of Vermiculite debris. First set was dug on 9/10/04, and second set dug on 9/13/04. Contamination determined as deep as 10'. Further holes dug to determine extent of such contamination.

Frac tank brought onsite to be filled by water trucks to solve the water problems.

Excavation with vacuum truck initiated in UTA area on Sep 20. Ground is exceedingly hard, so crew stopped in the UTA area and will restart with the mini-excavation equipment at a later date.

Excavation completed to 6" on east side of Artistic Printing north of metal clad structure, and clearance samples taken on Sep 10. Samples came back trace. Excavated another six inches, and samples taken on Sep 17. These samples came back clear on Sep 22.

Crew excavated around the transformer and metal-clad near the SE corner of the Artistic Printing building, and Andrew Gordon of CDM conducted visual and took clearance samples. Samples failed.

**Planned Tasks for Next Month:**

Complete excavation and clear area around UTA building.

Complete additional excavation and clear all areas around transformer and metal-clad on east side of Artistic Printing and north of 46 kV overhead jumpers.

Continue excavation in main pit. Identify all areas of contamination and plan excavation accordingly.

Begin Vacuum excavation around capacitor banks and south transformer.

**Issues Addressed:**

Drivers are instructed to stay inside their cabs during load out process. Stockpiles to be saturated prior to the end of each shift to ensure pile doesn't dry by morning. Over weekends, Champion to ensure stockpile is saturated during weekend.

Obtaining water for dust suppression has been a problem. The city will not allow use of the fire hydrant adjacent the property, so Champion trucks water in and fills a water storage tank. After only a short time, the existing water tank continues to run dry, so a larger tank was brought on site to remedy the problem. Water is trucked in and pumped into the tank. After the first rainstorm, the parking lot was completely inundated, so Champion made the decision to pump the water from the parking lot into the tank, which served as a good extra water source. The combination of trucked in water, and pumping water from the parking lot after the storms has solved the water access problem.

Tears on the tarps of the trucks have been noticed, and all crew and supervisory personnel are to be alert to the presence of tears and drivers have been instructed to fix them immediately.

Cross-contamination observed when mini-excavator moved off of the contaminated area onto the newly excavated area to access missed material. Stopped work and discussed this with the crew. Crew alerted to the problem and has been instructed again on proper excavation techniques.

During excavation in the main processing area, excavator operator noticed that he was encountering significant evidence of vermiculite seams and pockets. R&R went into containment and observed test holes in a number of locations throughout the SE quadrant. Visible material was observed to depths of 10',

particularly between the large wall on the west of SE quadrant, and the large chunks of concrete (that turned out to be bases for the furnaces). Crew began excavation in central area of SE quadrant and excavated around the furnace bases. They found that these bases were embedded in the concrete underneath them, and also observed that pure vermiculite existed throughout the spaces around the bases and in channels on either side of them. Also uncovered an additional E-W wall at the north end of the excavation. Management decided to remove these concrete blocks to access the suspect material. Champion brought in a hydraulic hammer on another track hoe to break up the concrete bases and surrounding structures. After the concrete was broken up, the other excavator was used to remove all the blocks of broken concrete.

The crew needed the guy-line on the utility pole at the extreme south end of the SE quadrant moved to facilitate excavation of the area south of the large main pit. PacifiCorp had a crew come in and mount the guy-line to the side of the concrete wall adjacent the pole. Once the guy-line had been repositioned, the crew commenced excavating to a depth of 24". During the excavation, the crew encountered the tops of walls and structures. Suspect material continued to be encountered as well, so the decision to continue excavating was made.

PPE circumvention was observed (lifting respirator to talk) and Tom has instructed all employees that this is cause for termination if observed again. Clean shaven faces mandatory to ensure respirator seals properly.

One driver observed using compressed air to blow off his boots before entering his cab after placing his tarp. Counseled all drivers that compressed air and LA are mutually exclusive.

Photo documentation to be done regularly for delivery to David Wilson.

Parking security during events at the adjacent Delta Center is an issue, and barricading the lot is imperative during these events.

Adjacent construction work, and street/parking lot cleaning noted.

Personnel from the Artistic Printing office were observed sweeping debris on the roof of the building adjacent our work area. Much of the debris moved is on top of exposed, suspect ACM roof sealant.

Rainstorms create significant puddles in the parking lot, and must be pumped out to allow access for trucks/parking.

Circus came to town, and their existing agreement with AMPCO parking to set up animal stalls east of our work area eliminated the truck route. No trucks to be run during the entire week of the circus.

Continued excavation encounters continued/increasing areas of contamination.  
Scope is increasing as a result.

**Cost Summary:** See Addendum I

**Schedule Summary:**